

**Notice of Allowability**

Application No.

09/781,197

Applicant(s)

TSUKATA, KOJI

Examiner

Art Unit

Negussie Worku

2626

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/13/01.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☒ The drawings filed on 13 February 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 02/13/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Negussie*  
12/30/04

*KA Williams*  
**KIMBERLY WILLIAMS**  
SUPERVISORY PATENT EXAMINER

## **DETAILED ACTION**

### ***Reasons for Allowance***

1. The following is an examiner's statement of reasons for allowance: With respect to claims 1-3, the prior art does not teach or disclose an image reading apparatus comprising: an optoelectric converter device for converting an optical image into an electric signal at the timing of a control signal and a pulse signal; a pulse signal generator for generating the pulse signal from an input clock signal; a clock signal multiplier for multiplying a clock signal, of which the period corresponds to a period of scanning one pixel on the optoelectric converter device signal; to generate a multiplied clock a load signal generator for generating a load signal from the multiplied clock signal; a counter for releasing a count data determined by the multiplied clock signal and the load signal; a comparison signal generator for comparing between a pulse width setting value of the control signal generate a comparison signal; and and the count data to a control signal generator for generating the control signal from the comparison signal.

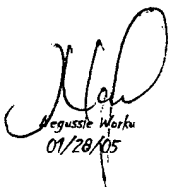
With respect to claims 4-7, the prior art does not teach or disclose an image reading apparatus comprising: a pulse signal generator for generating a pulse signal from an input clock signal; an optoelectric converter device for converting reflected light on an original into an electric signal and releasing it as an analog image signal of pixels at intervals of a period determined by the pulse signal; a clock multiplier for multiplying a clock signal, of which the period corresponds to a period of scanning one pixel on the optoelectric converter device, to generate a multiplied clock signal; generating means for generating a control signal from the multiplied clock signal; and a signal processor responsive to the control signal for processing the analog image signal released from the optoelectric converter device.

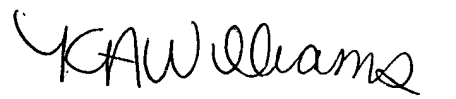
With respect to claims 8-13, the prior art does not teach or disclose an image reading apparatus comprising: a means for generating from an input clock signal a shift pulse signal for the CCD sensor; means for multiplying a clock signal, of which the period corresponds to a period of scanning one pixel on the CCD sensor, to generate a multiplied clock signal; control signal generating means for generating a control signal from the multiplied clock signal; and signal processing means responsive to the control signal for processing the analog image signal released from the CCD sensor.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Negussie Worku whose telephone number is 305-5441. The examiner can normally be reached on 7am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams can be reached on 703-305-4863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Negussie Worku  
01/28/05

  
KIMBERLY WILLIAMS  
SUPERVISORY PATENT EXAMINER